	SampleName	Inj, Volume	Channel	⊵≂Dilution
1	K63 In PBS	100,00	214nm	4,00
2	K63 in Chaps 0,25%		214nm	4,00
13	K63 in citrate	100,00	214nm	4,00

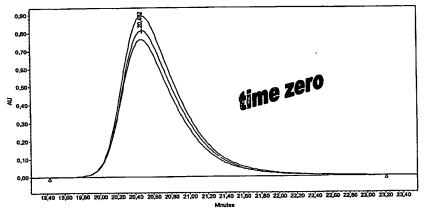


Figure 1A



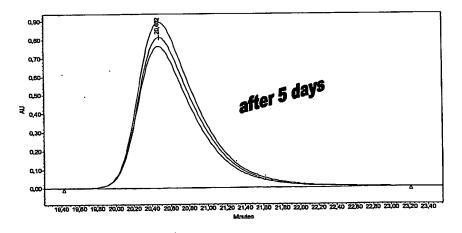


Figure 1B

Figure 1C

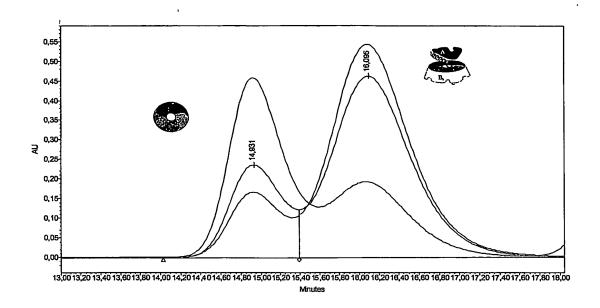
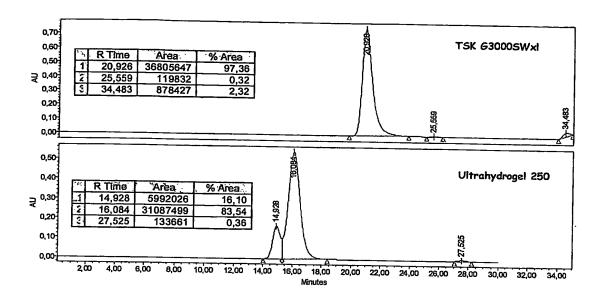
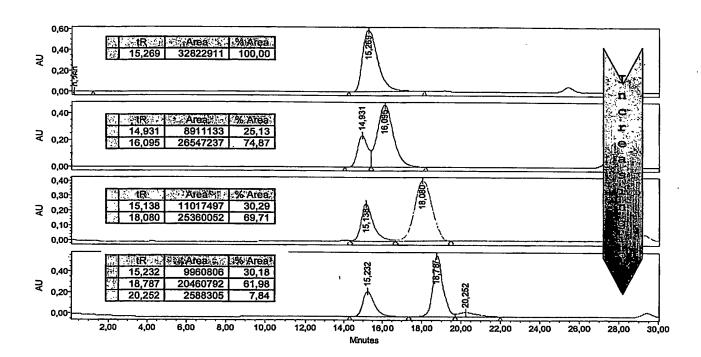


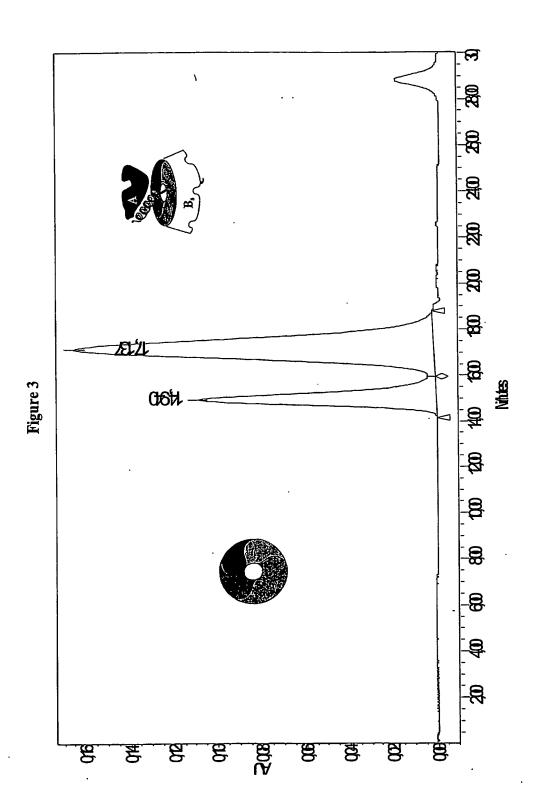
Figure 1D



Figures 2A-2D

SampleName 20	OBIG Acquired 215 in	Sold Strike Stri	Injection Channel	Ollution
15 PBS 5gg agitazione	09/04/2003 9.55,19	KPI 50 mM + Na2SO4 50 mM pH 7,2	100,00 214nm	4.00
24 PBS 5gg agitazione	08/04/2003 13.53.06	KPI 100 mM + Na2SO4 100 mM pH 7,2	100,00 214nm	4,00
3: PBS 5gg agitazione	09/04/2003 15.07.11	KPI 250 mM + Na2SO4 100 mM pH 7,2	100,00 214nm	4,00
4. PBS 5gg agitazione	10/04/2003 9.51.42	KPI 200 mM + Na2SO4 200 mM pH 7,2	100,00 214nm	4,00





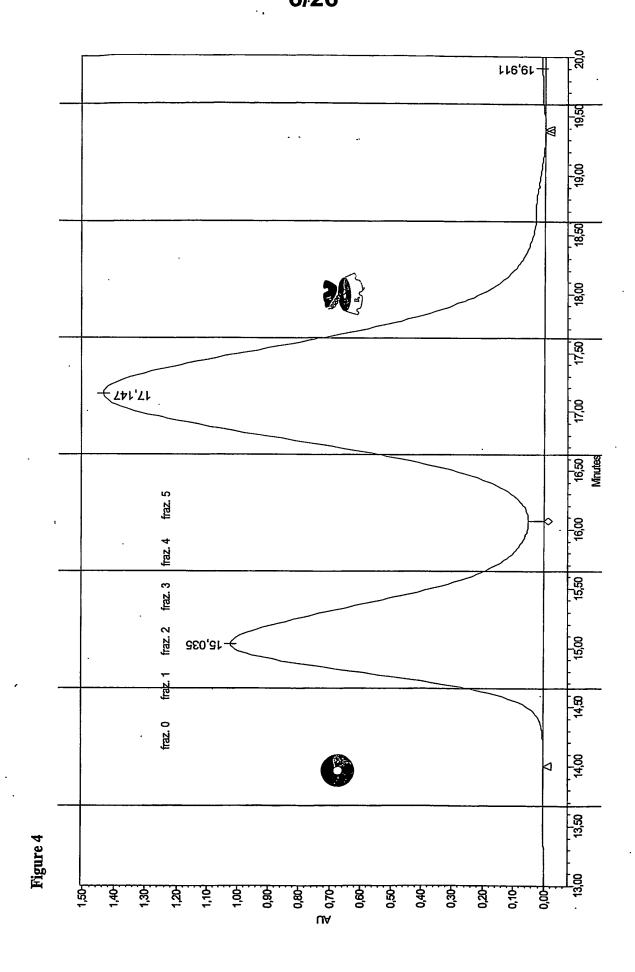


Figure 5A

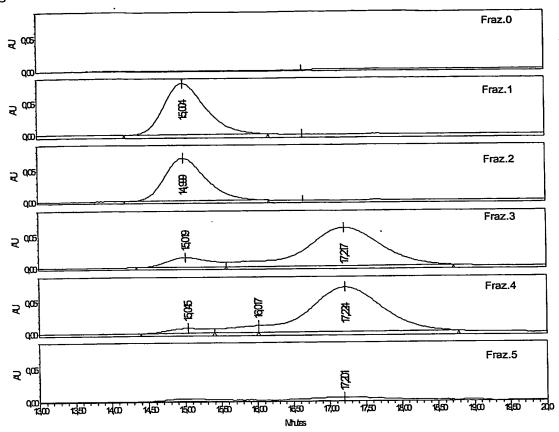


Figure 5B

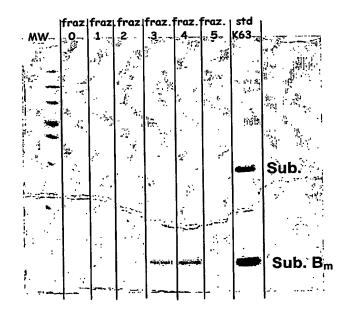
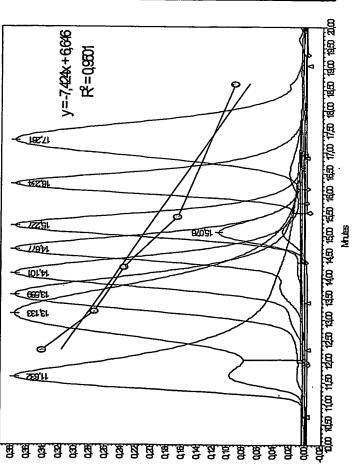


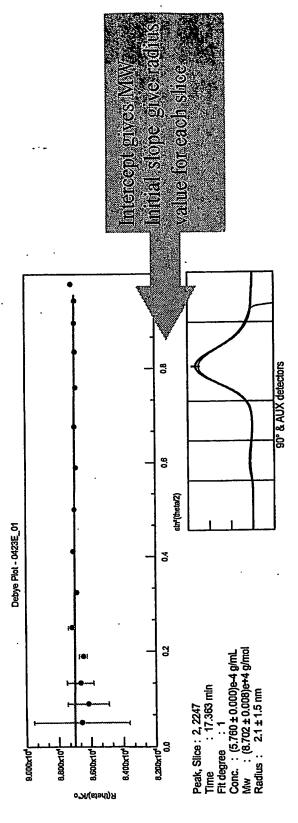
Figure 5D

	Standard proteins	Rt (min)	$M_{\rm w}$ (Da)
989	Thyroglobulin (boxine)	11,62	000.699
ਬ	Apoferritin	13,13	476.316
	B-amylase	13,58	224.340
	Alcohol Deydrogenase	14,10	146.980
	BSA	14,67	66.800
	Carbonic Anhydrase	16,22	29.023
	Sample proteins	Rt (min)	M _w exp.
	CRM	15,23	57.099
~	K63 AB ₅	17,26	9.611
189 280 200	K63 B ₅	15,07	65.607



멾 (bold red) K63 Superimposition of standard proteins, CRM_{197} reference (bold blue), calibration curve used for apparent MW determination.







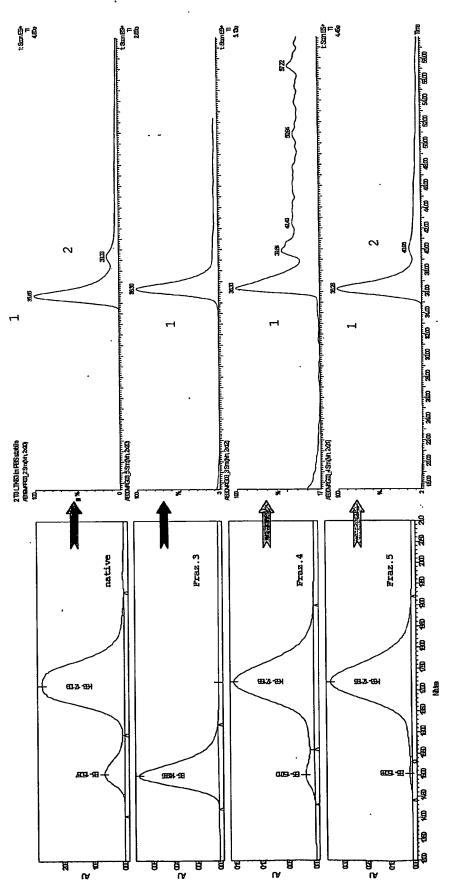
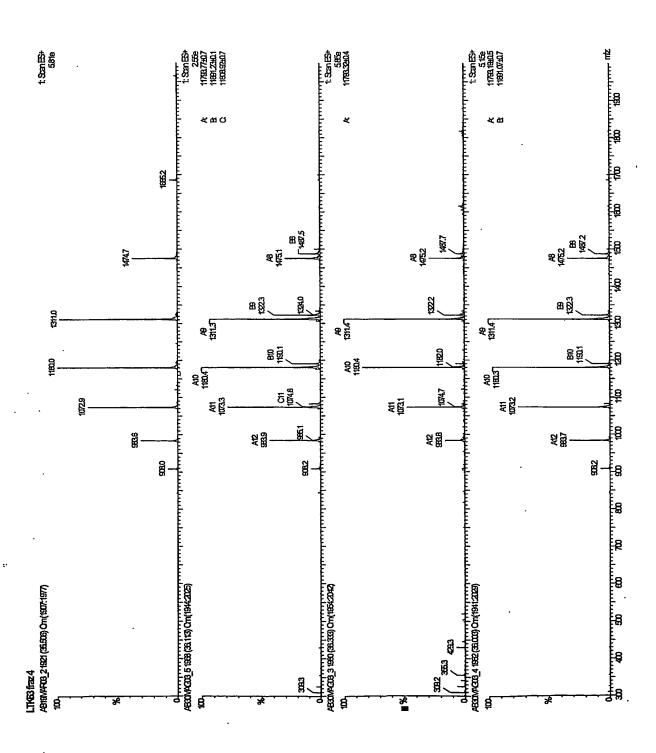


Figure 5F (a)

Figure 5F(b)

Figure 5G



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Figure 6: SDS-PAGE analysis of LTK 63 shaken samples

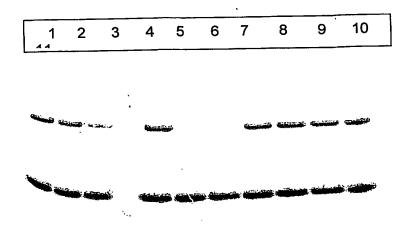
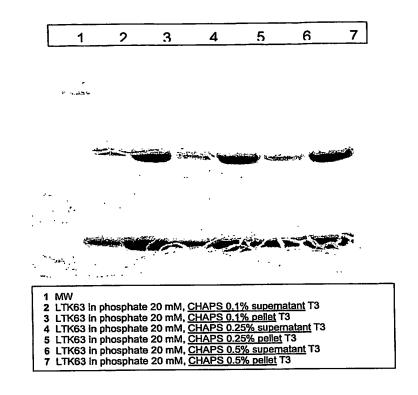


Figure 7: SDS-PAGE analysis of LTK 63 samples treated with CHAPS



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Figure 8: SDS-PAGE of LTK63 samples treated with L-Arginine

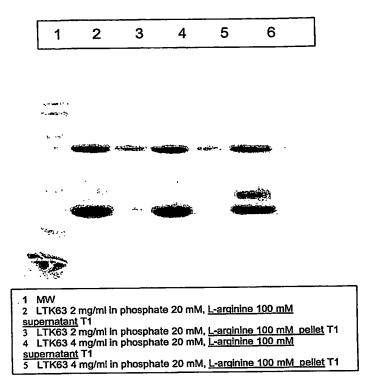


Figure 9(a): Old HPLC Method for analysing L-Arginine treated samples

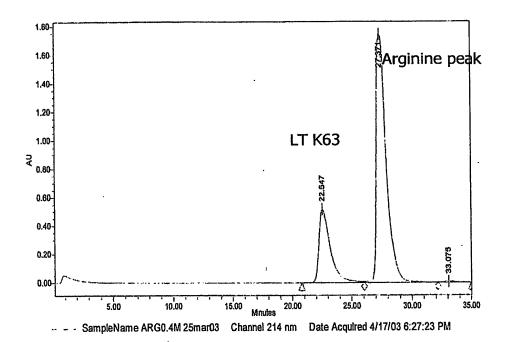


Figure 9(b): New HPLC Method for analysing L-Arginine treated samples

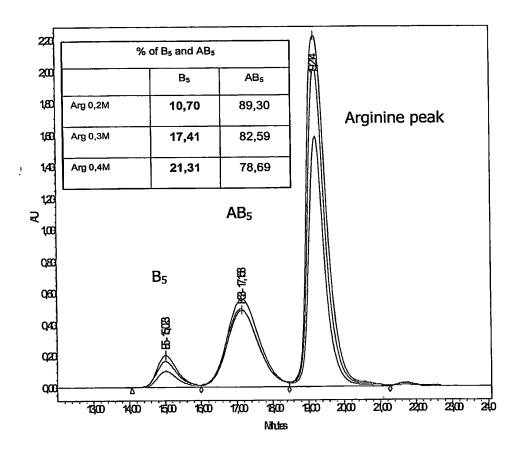
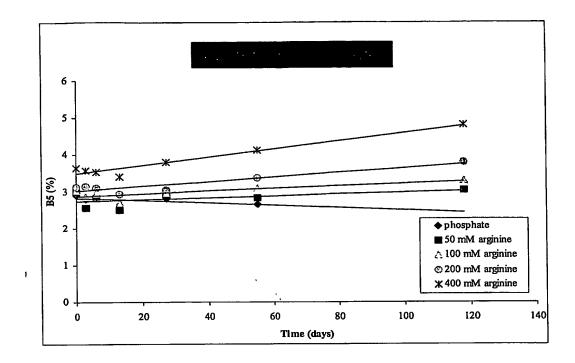


Figure 10(a): Determination of AB5 dissociation in L-Arginine treated samples and the %B5 in LTK63 at 1.3mg/ml



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Figure 10(b): Determination of AB5 dissociation in L-Arginine treated samples and the %B5 in LTK63 at 4.0 mg/ml

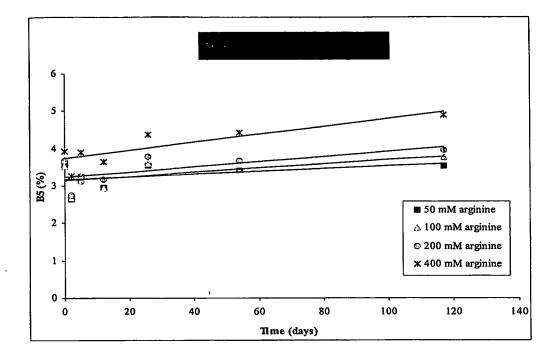


Figure 11(a): CHAPS effect on LTK63 dissociation

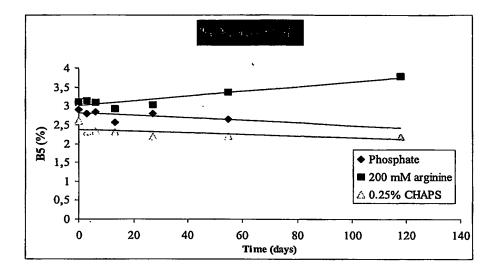


Figure 11(b): CHAPS effect on LT K63 dissociation in combination with L-Arginine

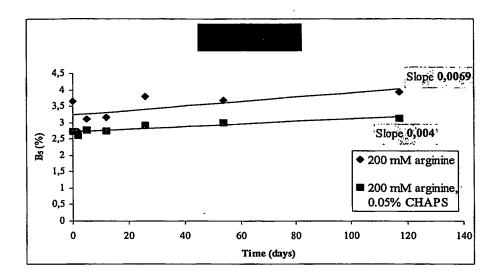


Figure 12: Effect of L-Arginine and CHAPS on LTK 63 stability at a protein concentration of 1,3 mg/ml

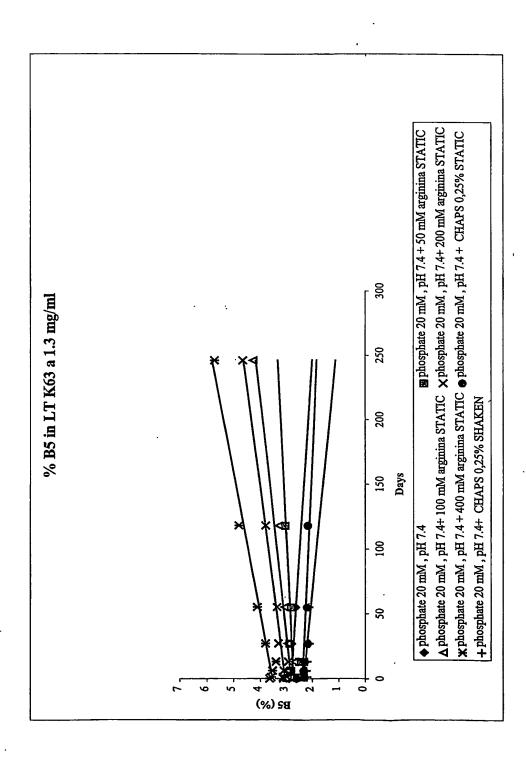
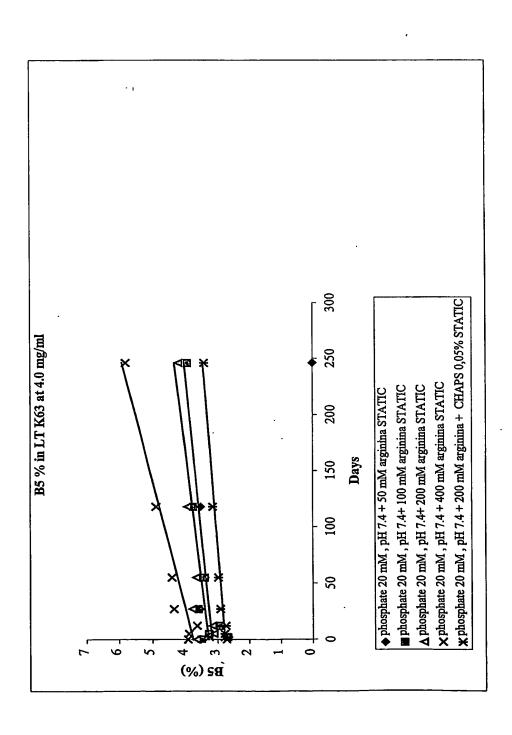


Figure 13: The effect of L-Arginine and the combination L-Arginine/CHAPS on LTK 63 stability at a protein concentration of 4,0



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Figure 14 shows the effect of storage conditions on LTK 63 stability in L-Arginine + CHAPS containing buffers

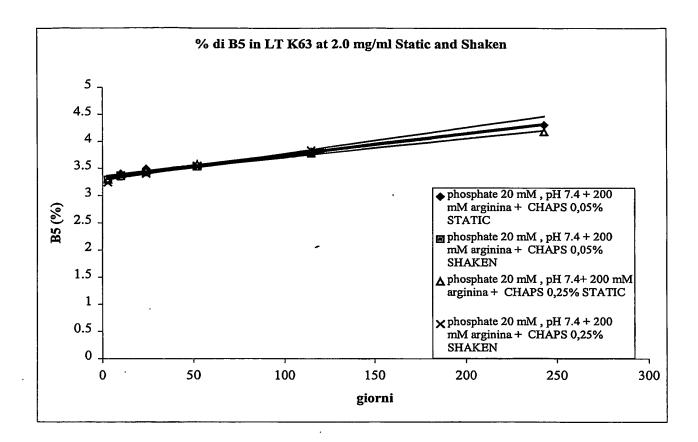


Figure 15: Comparison of LTK 63 stability on L-Arginine and L-Arginine + CHAPS storage buffers

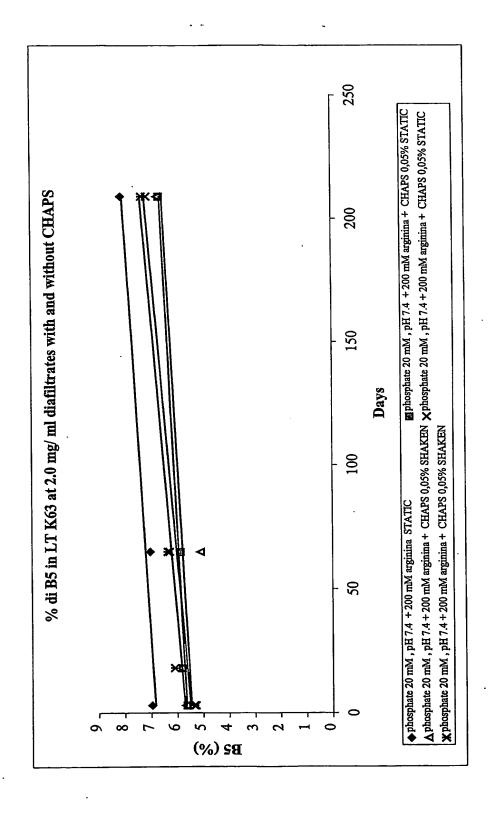


Figure 16

Figur	-		
ntinued)	EMPIGEN BB® (indodecyl-N,N-, dimethylglycine)	x = 7, ZWITTERGENT [®] 3-08 x = 9, ZWITTERGENT [®] 3-10 x = 11, ZWITTERGENT [®] 3-12 x = 13, ZWITTERGENT [®] 3-14 x = 15, ZWITTERGENT [®] 3-16	x = H, CHAPS x = OH, CHAPSO
Table 2. Structure and Classification of Detergents (continued)	CH3 CH3(GH2)11—N ² -CH2—COO pH≥6 CH3	CH ₃ GH ₃ GH ₃ CH ₃ (CH ₂)x—N ⁺ (CH ₂)s—S—O CH ₃ GH ₃ CH ₃ CH ₃ O CH ₃	FE NO HO OH
		Zwittergentis	

Figure 17

Zwittenionic Detergents

		Salah Sa	AND THE PROPERTY OF			****	
Product		Cat. No.	M.W.		Aggregation No.	Average	size
			(anhydrous	(mlm)		Micellar Weight	
A58-14		182750	4347	1	1	1	59,25.9
PASE IGN THE PASE		Ten 1180768	1174621885 (1914)				59.25 自己对于
CHAPS	•	220201	614.9	6-10	4-14	0009	19
							5.0 0.0
							25 g '
CHARSON II		22020267	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0000	7. 11.9 Tr
DDIMAB		252000	299.5	4.3			5.9
OBWAU		# 25000 F	243 THE PERSONS	013			2011年10日
MPIGEN BB® Dete	rgent, 30% Solution	324690	272.0	1.6-2.1			100 ml
auvidinetivjami	ilauiyildimethiylamineloxida (Ip.ko)izo% solutlon	2.5.8.4080F	1.029 (I) 1.12 (I) 1.	1.124	是19/14/2018	7 17/000 X	Aloom Carrier
WITTERGENT® 3-C	8 Detergent	63019	279.6	330			S.g
WITTERGENTS	Oppetergent	#14ft-69302ft	44/307/6F	25.40		12500iPS	5. Sgring and
							25.07
WITTERGENT® 3-	ZWITTEBGENT® 3-12 Detergent	693015	335.6	2-4	55	18,500	5.g 25.g
Mitti ERGENTP 3.114(Deleigent	VIOLEGIGEN	110663	363,616,1	41.04.2			100 d
ZWITTERGENT® 3-16 Detergent	ió Detergent	693023	391.6	0.01-0.06	155	60,000	59 25 a

a. Average molecular weights are given for defengents composed of mixtures of chair lengths; b. Température: 20 - 25°C

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